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## **AMENDMENTS TO THE CLAIMS**

Please amend claims 41 and 43-48, cancel claim 42 without prejudice, such that the status of the claims is as follows:

- (Original) A light emitting diode (LED), comprising:

   a semiconductor layer of a first polarity;
   an active layer, located on the semiconductor layer of the first polarity; and
   a semiconductor layer of a second polarity, located on the active layer, wherein at least
   one side of at least the active layer and the semiconductor layer of the second
   polarity is of irregular shape, thereby reducing the probability of reflecting the light
   emitted from the active layer, thus making light emitted from the active layer
   penetrate through the at least one side and be emitted outside the LED.
- 2. (Original) The LED according to claim 1, wherein the semiconductor layer of the first polarity is made of GaN.
- 3. (Original) The LED according to claim 1, wherein the active layer is made of InGaN.
- 4. (Original) The LED according to claim 1, wherein the semiconductor layer of the second polarity is made of GaN.
- 5. (Original) The LED according to claim 1, wherein the shape of the at least one side is selected from a group consisting of triangle, semicircle, and parabola.

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6. (Original) The LED according to claim 1, wherein a deformed dimension of the at least one side is greater than an equivalent emitting wavelength of the LED.

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- 7. (Original) The LED according to claim 1, wherein an incident angle of the light emitted from the active layer to the at least one side is less than a reflective critical angle of the at least one side.
- 8. (Original) The LED according to claim 1, wherein at least the active layer and the semiconductor layer of the second polarity therein further have at least one valley penetrating from an upper surface of the semiconductor layer of the second polarity to a lower surface of the active layer, thereby increasing an efficiency of emitting the light emitted from the active layer to the outside of the LED.
- 9. (Original) The LED according to claim 8, further comprising a substrate located under the semiconductor layer of the first polarity, wherein the at least one valley further reaches to an upper surface of the substrate.
- 10. (Original) The LED according to claim 1, wherein the at least one side is formed by reactive ion etching (RIE).
- 11 40. (Canceled).
- 41. (Currently Amended) A light emitting diode (LED), comprising:

  a semiconductor layer of a first polarity;

  an active layer, located on the semiconductor layer of the first polarity; and
  a semiconductor layer of a second polarity, located on the active layer, wherein at least

one side of at least the active layer and the semiconductor layer of the second

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polarity has an uneven surface, thereby reducing a geometry configured to reduce the probability of reflecting the light emitted from the active layer, thus making light emitted from the active layer penetrate through the at least one side of the semiconductor layer of the second polarity and be emitted outside the LED with increased efficiency.

## 42. (Canceled)

- 43. (Currently Amended) The LED according to claim [[42]] 41, wherein the shape uneven surface of the at least one side in a top view of the semiconductor layer of the second polarity LED is selected from a group consisting of triangle, semicircle, and parabola.
- 44. (Currently Amended) The LED according to claim [[42]] 41, wherein a deformed dimension of the at least one side of the semiconductor layer of the second polarity is greater than en equivalent emitting wavelength of the LED.
- 45. (Currently Amended) The LED according to claim [[42]] 41, wherein an incident angle of the light emitted from the active layer to the at least one side of the semiconductor layer of the second polarity is less than a reflective critical angle of the at least one side.
- 46. (Currently Amended) The LED according to claim [[42]], wherein the at least one side of the semiconductor layer of the second polarity is formed by reactive ion etching (RIE).

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47. (Currently Amended) The LED according to claim 41, wherein at least the active layer and the semiconductor layer of the second polarity therein have at least one valley penetrating from an upper surface of the semiconductor layer of the second polarity to a lower surface of the active layer.

- 48. (Currently Amended) The LED according to claim [[47]] 46, further comprising a substrate located under the semiconductor layer of the first polarity, wherein the at least one valley further reached reaches to an upper surface of the substrate.
- 49. (Previously Presented) The LED according to claim 41, wherein the semiconductor layer of the first polarity is made of GaN.
- 50. (Previously Presented) The LED according to claim 41, wherein the active layer is made of InGaN.
- 51. (Previously Presented) The LED according to claim 41, wherein the semiconductor of the second polarity is made of GaN.